

CLAIMS

1. A portable power source system comprising a battery pack for accommodating at least one secondary battery and a mounting part for mounting said battery pack,

said mounting part being disposed in power using equipment,

said battery pack comprising a charge circuit having a charge terminal and a discharge circuit having a discharge terminal, and said charge circuit comprising a control circuit for controlling a voltage and a current during charging,

said mounting part comprising a protruding external terminal for connecting with said discharge terminal, said battery pack comprising an inserting part for inserting said external terminal, and said discharge terminal being disposed in a concealed position inside said inserting part,

said battery pack being movable from an initial position to a fixing position while said external terminal has been inserted in said inserting part, and connection between said external terminal and said discharge terminal being achieved at said fixing position.

2. The portable power source system in accordance with Claim 1, wherein said charge terminal and discharge terminal respectively comprise both a positive electrode terminal and a negative electrode terminal, and said negative electrode terminals are mutually electrically independent

while said positive electrode terminals are united and have equivalent potential.

3. The portable power source system in accordance with Claim 1, wherein said battery pack comprises a thermistor terminal for temperature measurement.

4. The portable power source system in accordance with Claim 1, wherein said charge circuit further comprises a thermal protector.

5. The portable power source system in accordance with Claim 1, wherein said discharge circuit does not comprise a current regulating device.

6. The portable power source system in accordance with Claim 1, wherein said charge terminal is not concealed but exposed to the outside.

7. The portable power source system in accordance with Claim 1, wherein said secondary battery is a lithium-ion secondary battery.

8. The portable power source system in accordance with Claim 1, wherein said power using equipment is an electric tool, an electric vacuum cleaner, an electric bicycle or an electric motorbike.